

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S204	1	10/059488	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S205	1453	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) and counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S206	169	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) same counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S207	3	((voltage\$2time\$1)) same counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S208	6	((voltage\$2time\$1)) near2 (converter\$1 conversion\$1) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S209	114	348/302 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S210	47	348/304 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S211	251	348/30\$1 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S212	177	348/30\$1 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S213	36	348/304 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S214	84	348/302 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S215	11	348/304 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S216	52	348/30\$1 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S217	30	348/302 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S218	41447	(voltage\$1 same time\$1) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

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S21 9	8099	(voltage\$1 same time\$1) and row and column same pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 0	5735	(voltage\$1 same time\$1) and row and column same pixel\$1 and digital	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 1	1475	(voltage\$1 same time\$1) and row and column same pixel\$1 same digital	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 2	923	((voltage\$1 same time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 3	294	((voltage\$1 near7 time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 4	80	"348"/\$6 and ((voltage\$1 near7 time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 5	97	(satoshi near1 shigematsu).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 6	50	(satoshi near1 shigematsu).in. and (hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 7	117	(hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 8	15	((satoshi near1 shigematsu).in. and (hiroki near1 morimura).in.) and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S22 9	12	(S227 S225) and ((voltage near1 time) voltage/time voltage\$1time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S23 0	2799	pixel and (latch same counter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S23 1	1010	pixel and (latch same counter) and time same voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S23 2	488	pixel and (latch same counter) and time same voltage and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

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S23 3	237	(latch same counter) and (pixel same time same voltage) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S23 4	62	"348"/\$6 and (latch same counter) and (pixel same time same voltage) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S23 5	27	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5877715-\$ or US-5990948-\$ or US-6067113-\$ or US-6069377-\$ or US-6473122-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S23 6	27	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5877715-\$ or US-5990948-\$ or US-6067113-\$ or US-6069377-\$ or US-6473122-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S23 7	16	S235 and voltage near2 conver\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S23 8	5	S235 and voltage near2 conver\$5 near2 time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S23 9	18	S235 and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 0	21	S235 and (amplifier source)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 1	156	fowler.in. and voltage same time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 2	15	fowler.in. and voltage same time and pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 3	1	"5471515".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 4	2	a/d near2 pixel same row adj select	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 5	591	a/d near2 pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

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S24 6	29	(analog and digital and pixel).ti.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 7	40	(digital adj pixel).ti.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 8	2	fowler.in. and (digital adj pixel)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S24 9	4	fossum.in. and (digital adj pixel)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 0	13	(digital adj pixel) same counter same latch\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 1	0	10/059488 and source	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 2	0	10/059488 and source\$1follower	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 3	0	10/059488 and amplif\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 4	97	(satoshi near1 shigematsu).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 5	117	(hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S25 6	12	(S255 S254) and ((voltage near1 time) voltage/time voltage\$1time)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S25 7	4	(S255 S254) and ((voltage near1 time) voltage/time voltage\$1time) and counter and latch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S25 8	2	(S255 S254) and ((voltage near1 time) voltage/time voltage\$1time) and counter and latch and row	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S25 9	2	(S255 S254) and ((voltage near1 time) voltage/time voltage\$1time) and column and row	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

EAST Search History

S26 0	8	((S255 S254) and ((voltage near1 time) voltage/time voltage\$1time) and matrix	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 1	4447	((voltage near1 time) voltage/time voltage\$1time) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 2	860	((voltage near1 time) voltage/time voltage\$1time) and row and column and count\$3 and latch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 3	308	((voltage near1 time) voltage/time voltage\$1time) and row and column and (counter same latch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 4	289	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and (counter same latch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 5	271	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and (counter same latch) and clock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 6	191	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and ((counter same latch) same clock\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 7	62	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 8	0	((voltage near1 time) voltage/time voltage\$1time) adj convertor and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S26 9	0	((voltage near1 time) voltage/time voltage\$1time) adj converter and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S27 0	301	((voltage near1 time) voltage/time voltage\$1time) adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

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S27 1	19	((voltage near1 time) voltage/time voltage\$1time) adj converter and latch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S27 2	58	((voltage near1 time) voltage/time voltage\$1time) adj conver\$5 and latch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S27 3	33	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5461425-\$ or US-5777596-\$ or US-5877715-\$ or US-5990948-\$ or US-6021172-\$ or US-6067113-\$ or US-6069377-\$ or US-6330030-\$ or US-6438257-\$ or US-6473122-\$ or US-6498576-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$ or US-6965407-\$).did. or (US-6990219-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S27 4	16	S273 and (voltage near1 time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S27 5	6	S273 and (voltage near1 time) adj conver\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S27 6	6	"6587145"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S27 7	1	"6438257".pn. and digital same sense	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S27 8	1	"6438257".pn. and digital same sense\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

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S27 9	1	"6587145".pn. and digital same time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 0	0	"6587145".pn. and (column row) adj readout	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 1	1	"6587145".pn. and readout	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 2	1	"6587145".pn. and (column row)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 3	1	"6587145".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 4	18	("4563089" "4710817" "5065149" "5214274" "5373295" "5452001" "5461425" "5468954" "5565915" "5576729" "5650643" "5665959" "6166367" "6201572" "6330030").PN. OR ("6587145").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S28 5	14	S284 and (voltage same time)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S28 6	1	"6330030".pn. and counter	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S28 7	1	"6330030".pn. and time	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S28 8	347	348/304	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S28 9	1029	348/302	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 0	1453	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) and counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 1	169	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) same counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 3	47	348/304 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S29 4	251	348/30\$1 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 5	177	348/30\$1 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 6	36	348/304 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 7	84	348/302 and precision and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 8	11	348/304 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S29 9	52	348/30\$1 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 0	41447	(voltage\$1 same time\$1) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 1	8099	(voltage\$1 same time\$1) and row and column same pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 2	5735	(voltage\$1 same time\$1) and row and column same pixel\$1 and digital	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 3	1475	(voltage\$1 same time\$1) and row and column same pixel\$1 same digital	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 4	923	((voltage\$1 same time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 5	294	((voltage\$1 near7 time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 6	97	(satoshi near1 shigematsu).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 7	50	(satoshi near1 shigematsu).in. and (hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S30 8	117	(hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S30 9	2799	pixel and (latch same counter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S31 0	1010	pixel and (latch same counter) and time same voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S31 1	237	(latch same counter) and (pixel same time same voltage) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S31 2	27	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5877715-\$ or US-5990948-\$ or US-6067113-\$ or US-6069377-\$ or US-6473122-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 3	18	S312 and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 4	0	10/059488 and source	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 5	0	10/059488 and source\$1follower	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 6	0	10/059488 and amplif\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 7	97	(satoshi near1 shigematsu).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S31 8	117	(hiroki near1 morimura).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S31 9	4447	((voltage near1 time) voltage/time voltage\$1time) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 0	860	((voltage near1 time) voltage/time voltage\$1time) and row and column and count\$3 and latch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 1	308	((voltage near1 time) voltage/time voltage\$1time) and row and column and (counter same latch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 2	289	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and (counter same latch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 3	271	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and (counter same latch) and clock	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 4	191	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and ((counter same latch) same clock\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 5	0	((voltage near1 time) voltage/time voltage\$1time) adj convertor and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 6	0	((voltage near1 time) voltage/time voltage\$1time) adj converter and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S32 7	301	((voltage near1 time) voltage/time voltage\$1time) adj converter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

EAST Search History

S32 8	33	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5461425-\$ or US-5777596-\$ or US-5877715-\$ or US-5990948-\$ or US-6021172-\$ or US-6067113-\$ or US-6069377-\$ or US-6330030-\$ or US-6438257-\$ or US-6473122-\$ or US-6498576-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$ or US-6965407-\$).did. or (US-6990219-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S32 9	16	S328 and (voltage near1 time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 0	0	"6587145".pn. and (column row) adj readout	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 1	1	10/059488	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 2	1	"5471515".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 3	1	"6438257".pn. and digital same sense	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 4	1	"6438257".pn. and digital same sense\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 5	1	"6587145".pn. and digital same time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S33 6	1	"6587145".pn. and readout	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 7	1	"6587145".pn. and (column row)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 8	1	"6587145".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S33 9	1	"6330030".pn. and counter	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S34 0	1	"6330030".pn. and time	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S34 1	3	((voltage\$2time\$1)) same counter and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 2	6	((voltage\$2time\$1)) near2 (converter\$1 conversion\$1) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 3	30	348/302 and precision and noise and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 4	80	"348"/\$6 and ((voltage\$1 near7 time\$1) same pixel\$1 same digital) and row and column	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 5	15	((satoshi near1 shigematsu).in. and (hiroki near1 morimura).in.) and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 6	12	(S308 S306) and ((voltage near1 time) voltage/time voltage\$1time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 7	62	"348"/\$6 and (latch same counter) and (pixel same time same voltage) and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

EAST Search History

S34 8	27	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5877715-\$ or US-5990948-\$ or US-6067113-\$ or US-6069377-\$ or US-6473122-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S34 9	27	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5877715-\$ or US-5990948-\$ or US-6067113-\$ or US-6069377-\$ or US-6473122-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 0	16	S312 and voltage near2 conver\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 1	5	S312 and voltage near2 conver\$5 near2 time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06

EAST Search History

S35 2	21	S312 and (amplifier source)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 3	15	fowler.in. and voltage same time and pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 4	2	a/d near2 pixel same row adj select	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 5	29	(analog and digital and pixel).ti.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 6	40	(digital adj pixel).ti.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 7	2	fowler.in. and (digital adj pixel)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 8	4	fossum.in. and (digital adj pixel)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S35 9	13	(digital adj pixel) same counter same latch\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S36 0	12	(S318 S317) and ((voltage near1 time) voltage/time voltage\$1time)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 1	4	(S318 S317) and ((voltage near1 time) voltage/time voltage\$1time) and counter and latch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 2	2	(S318 S317) and ((voltage near1 time) voltage/time voltage\$1time) and counter and latch and row	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 3	2	(S318 S317) and ((voltage near1 time) voltage/time voltage\$1time) and column and row	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 4	8	(S318 S317) and ((voltage near1 time) voltage/time voltage\$1time) and matrix	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 5	62	((voltage near1 time) voltage/time voltage\$1time) and (row same column) and ((counter same latch) same clock\$3) and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06

EAST Search History

S36 6	19	((voltage near1 time) voltage/time voltage\$1time) adj converter and latch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 7	58	((voltage near1 time) voltage/time voltage\$1time) adj conver\$5 and latch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:06
S36 8	33	(US-20020118289-\$ or US-20020126215-\$ or US-20020146156-\$ or US-20020181748-\$ or US-20030107666-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20050231624-\$ or US-20060001753-\$).did. or (US-5206632-\$ or US-5461425-\$ or US-5777596-\$ or US-5877715-\$ or US-5990948-\$ or US-6021172-\$ or US-6067113-\$ or US-6069377-\$ or US-6330030-\$ or US-6438257-\$ or US-6473122-\$ or US-6498576-\$ or US-6518910-\$ or US-6525304-\$ or US-6552745-\$ or US-6556935-\$ or US-6580454-\$ or US-6583817-\$ or US-6590610-\$ or US-6600471-\$ or US-6665012-\$ or US-6667769-\$ or US-6727486-\$ or US-6753912-\$ or US-6947087-\$ or US-6965407-\$).did. or (US-6990219-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S36 9	6	S328 and (voltage near1 time) adj conver\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S37 0	6	"6587145"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S37 1	18	("4563089" "4710817" "5065149" "5214274" "5373295" "5452001" "5461425" "5468954" "5565915" "5576729" "5650643" "5665959" "6166367" "6201572" "6330030").PN. OR ("6587145"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06

EAST Search History

S37 2	14	S371 and (voltage same time)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:06
S37 3	156	fowler.in. and voltage same time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:06
S37 4	488	pixel and (latch same counter) and time same voltage and row and column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/22 07:07
S37 5	591	a/d near2 pixel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S37 6	359	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) and counter and stagger\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S37 7	239	((voltage\$2time\$1) (voltage near1 time) (time\$2voltage\$1)) and counter and stagger\$4 and (pixel\$1 sensor\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S37 8	44	(US-20020146156-\$ or US-20020181748-\$ or US-20060001753-\$ or US-20050231624-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20020126215-\$ or US-20020118289-\$ or US-20030107666-\$).did. or (US-5206632-\$ or US-5461425-\$ or US-6556935-\$ or US-6438257-\$ or US-6473122-\$ or US-5565915-\$ or US-6552745-\$ or US-6947087-\$ or US-5777596-\$ or US-6580454-\$ or US-6498576-\$ or US-6665012-\$ or US-5877715-\$ or US-6583817-\$ or US-6990219-\$ or US-6067113-\$ or US-6965407-\$ or US-6330030-\$ or US-6021172-\$ or US-6600471-\$ or US-6069377-\$ or US-6753912-\$ or US-6727486-\$ or US-5990948-\$ or US-6587145-\$ or US-6590610-\$).did. or (US-6518910-\$ or US-6525304-\$ or US-6667769-\$ or US-5650643-\$ or US-5214274-\$ or US-6778212-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07

EAST Search History

S37 9	346	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 0	134	348/304.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 1	440	348/302.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 2	45	(US-20020146156-\$ or US-20020181748-\$ or US-20060001753-\$ or US-20050231624-\$ or US-20030107671-\$ or US-20030197799-\$ or US-20030206236-\$ or US-20040017494-\$ or US-20020126215-\$ or US-20020118289-\$ or US-20030107666-\$).did. or (US-5206632-\$ or US-5461425-\$ or US-6556935-\$ or US-6438257-\$ or US-6473122-\$ or US-5565915-\$ or US-6552745-\$ or US-6947087-\$ or US-5777596-\$ or US-6580454-\$ or US-6498576-\$ or US-6665012-\$ or US-5877715-\$ or US-6583817-\$ or US-6990219-\$ or US-6067113-\$ or US-6965407-\$ or US-6330030-\$ or US-6021172-\$ or US-6600471-\$ or US-6069377-\$ or US-6753912-\$ or US-6727486-\$ or US-5990948-\$ or US-6587145-\$ or US-6590610-\$).did. or (US-6518910-\$ or US-6525304-\$ or US-6667769-\$ or US-5650643-\$ or US-5214274-\$ or US-6778212-\$).did. or (EP-1227663-\$).did. or (JP-2002232785-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 3	22	S382 and ((voltage\$1 near time) (voltage\$1time))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 4	190	fingerprint\$3 and ((voltage\$1 near time) (voltage\$1time))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 5	108	fingerprint\$3 and ((voltage\$1 near time) (voltage\$1time)) and (count\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07

EAST Search History

S38 6	27	fingerprint\$3 and ((voltage\$1 near time) (voltage\$1time)) and (count\$3) and latch\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S38 7	3	("5325442" "5577720" "6259804").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/22 07:07
S38 8	5	("6556935").URPN.	USPAT	OR	OFF	2006/12/22 07:07
S38 9	29	S384 and (voltage-time voltage/time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 0	0	(digital adj camera adj for adj machine adj vision) near3 simoni	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 1	0	(digital adj camera adj for adj machine adj vision)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 2	0	(digital near2 camera near2 for near2 machine near2 vision)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 3	37	(digital near2 camera near2 machine near2 vision)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 4	28	(digital near2 camera near2 machine near2 vision) and simoni	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 5	0	10/059488 and stagger\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 6	1	10/059488 and start\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 7	440	348/302.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 8	134	348/304.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S39 9	539	S397 S398	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S40 0	2	US-5565915-\$.DID. OR US-5872596-\$.DID.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:07
S1	1	10/059488	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:51

EAST Search History

S40 2	0	10/059488 and staggered	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:54
S40 3	0	10/059488 and staggs\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 07:54
S40 1	1	10/059488 and counter	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:07
S40 4	1	10/059488 and counter\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:07
S29 2	114	348/302 and precision	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:26
S40 5	440	348/302.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:27
S40 6	134	348/304.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:27
S40 7	346	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/22 08:27